A. Permit Certificate

# INDUSTRIAL
# WASTEWATER-LAND APPLICATION PERMIT
# LA-000044-03

**Keegan, Inc., LOCATED AT 2570 Eldridge Ave., Twin Falls ID 83301** AND IN **Township(s) 10S, Range(s) 17E, Section(s) 23 IS** HEREBY AUTHORIZED TO CONSTRUCT, INSTALL, AND OPERATE A WASTEWATER-LAND APPLICATION TREATMENT SYSTEM IN ACCORDANCE WITH THE WASTEWATER-LAND APPLICATION RULES (IDAPA 58.01.17), THE WATER QUALITY STANDARDS AND WASTEWATER TREATMENT REQUIREMENTS (IDAPA 58.01.02), THE GROUND WATER QUALITY RULE (IDAPA 58.01.11), AND ACCOMPANYING PERMIT APPENDICES AND REFERENCE DOCUMENTS. THIS PERMIT IS EFFECTIVE FROM THE DATE OF SIGNATURE AND EXPIRES ON **JUNE 15, 2010.**

Doug Howard
Regional Administrator
Idaho Department of Environmental Quality

Date: June 15, 2005

**DEPARTMENT OF ENVIRONMENTAL QUALITY**
**601 Pole Line Road, Suite 2**
**Twin Falls, Idaho 83301**
**(208) 736-2190**
**(208) 736-2194 (fax)**

**POSTING ON SITE RECOMMENDED**

# B. Permit Contents, Appendices, and Reference Documents



Appendices

1. Environmental Monitoring Serial Numbers
2. Site Maps

References

1. Plan of Operation (Operation and Maintenance Manual)
   - Nuisance Odor Management Plan
   - Waste Solids Management Plan

The Sections, Appendices, and Reference Documents listed on this page are all elements of Wastewater-Land Application Permit LA-000044-03 and are enforceable as such. This permit does not relieve Keegan, Inc., hereafter referred to as the permittee, from responsibility for compliance with other applicable federal, state or local laws, rules, standards or ordinances.

# C. Abbreviations, Definitions

| | |
|---|---|
| Ac-in | Acre-inch. The volume of water or wastewater to cover 1 acre of land to a depth of 1 inch. Equal to 27,154 gallons. |
| BMP or BMPs | Best Management Practices |
| COD | Chemical Oxygen Demand |
| DEQ or the Department | Idaho Department of Environmental Quality |
| Director | Director of the Idaho Department of Environmental Quality, or the Directors Designee, i.e. Regional Administrator |
| ET | Evapotranspiration – Loss of water from the soil and vegetation by evaporation and by plant uptake (transpiration) |
| GS | Growing Season – Typically April 01 through October 31 (214 days) |
| GW | Ground Water |
| GWQR | IDAPA 58.01.11 "Ground Water Quality Rule" |
| Handbook or Guidelines | Guidline for Land Application of Municipal and Industrial Wastewater – October 2004 |
| HLRgs | Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to land application hydraulic management units during the growing season. The HLRgs limit is specified in Section F. Permit Limits and Conditions. |
| HLRngs | Non-Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to each hydraulic management unit during the non-growing season. The HLRngs limit is specified in Section F. Permit Limits and Conditions. |
| HMU | Hydraulic Management Unit (Serial Number designation is MU) |
| IWR | Irrigation Water Requirement – Any combination of wastewater and supplemental irrigation water applied at rates commensurate to the moisture requirements of the crop, and calculated monthly during the growing season (GS). Calculation methodology for the IWR can be found at the following website: http://www.kimberly.uidaho.edu/water/appndxet/index.shtml. The equation used to calculate the IWR at this website is:<br>$IWR = (CU - P_e) / E_i$<br>CU is the monthly consumptive use for a given crop in a given climatic area. CU is synonymous with crop evapotranspiration<br>$P_e$ is the effective precipitation. CU minus Pe is synonymous with the net irrigation requirement (IR)<br>$E_i$ is the irrigation system efficiency. To obtain the gross irrigation water requirement (IWR), divide the IR by the irrigation system efficiency. |
| IDAPA | Idaho Administrative Procedures Act. |
| LG | Lagoon |
| lb/ac-day | Pounds (of constituent) per acre per day |
| MG | Million Gallons (1 MG = 36.827 acre-inches) |
| MGA | Million Gallons Annually (per WLAP Reporting Year) |
| NGS | Non-Growing Season – Typically November 01 through March 31 (151 days) |
| NVDS | Non-Volatile Dissolved Solids ( = Total Dissolved Solids less Volatile Dissolved Solids) |
| O&M manual | Operation and Maintenance Manual, also referred to as the Plan of Operation |
| SAR | Sodium Absorption Ratio |

# C. Abbreviations, Definitions

| | |
|---|---|
| SI | Supplemental Irrigation water applied to the land application treatment site. |
| Soil AWC | Soil Available Water Holding Capacity - the water storage capability of a soil to a depth at which plant roots will utilize (typically 60 inches or root limiting layer) |
| SMU | Soil Monitoring Unit (Serial Number designation is SU) |
| SW | Surface Water |
| TDS | Total Dissolved Solids or Total Filterable Residue |
| TDIS | Total Dissolved Inorganic Solids – The summation of chemical concentration results in mg/L for the following common ions: calcium, magnesium, potassium, sodium, chloride, sulfate, and 0.6 times alkalinity (alkalinity expressed as calcium carbonate). Nitrate, Silica and fluoride shall be included if present in significant quantities (i.e. > 5 mg/L each). |
| TMDL | Total Maximum Daily Load – The sum of the individual waste-load allocations (WLA's) for point sources, Load Allocations (LA's) for non-point sources, and natural background. Such load shall be established at a level necessary to implement the applicable water quality standards with seasonal variations and a margin of safety that takes into account any lack of knowledge concerning the relationship between effluent limitations and water quality. IDAPA 58.01.02 *Water Quality Standards and Wastewater Treatment Requirements* |
| Typical Crop Uptake | Typical Crop Uptake is defined as the median constituent crop uptake from the three (3) most recent years the crop has been grown. Typical Crop Uptake is determined for each hydraulic management unit. For new crops having less than three years of on-site crop uptake data, regional crop yield data and typical nutrient content values, or other values approved by DEQ may be used. |
| USGS | United States Geological Survey |
| WLAP | Wastewater Land Application Permit (or Program) |
| WLAP Reporting Year | The reporting year begins with the non-growing season and extends through the growing season of the following year, typically November 01 – October 31. For example, the 2000 Reporting Year was November 1, 1999 through October 31, 2000. |
| WW | Wastewater applied to the land application treatment site |

# D. Facility Information

| | |
|---|---|
| **Legal Name of Permittee** | Keegan, Inc. |
| **Type of Wastewater** | Industrial Processing |
| **Method of Treatment** | Slow Rate Irrigation utilizing flood irrigation |
| **Type of Facility** | Potato Fresh Packaging Processor |
| **Facility Location** | 2570 Eldridge Ave., Twin Falls, Idaho 83301 |
| **Legal Location** | 10S Township, 17E Range, 23 Section |
| **County** | Twin Falls |
| **USGS Quad** | Twin Falls |
| **Soils on Site** | Sluka Silt Loam, hardpan layer between 20-40" from top |
| **Depth to Ground Water** | 30 ft to seasonal high ground water |
| **Beneficial Uses of Ground Water** | Domestic, agriculture, industrial |
| **Nearest Surface Water** | Perrine Coulee |
| **Beneficial Uses of Surface Water** | Agriculture, Recreation |
| **Responsible Official Mailing Address**<br><br>**Phone / Fax** | Mark Cummins - President<br>Bob Keegan – Facility Manager<br>2570 Eldridge Ave.<br>Twin Falls, Idaho 83301<br><br>208-733-5371 / 208-734-2754 |
| **Facility Consultants Mailing Address**<br><br>**Phone / Fax** | Gary Burkett – EHM Engineers, Inc.<br>621 North College Rd., Suite 100<br>Twin Falls, ID 83301<br><br>208-734-4888 / 208-734-6049 |

# E. Compliance Schedule for Required Activities

The Activities in the following table shall be completed on or before the Completion Date unless modified by the Department in writing.

| Compliance Activity Number<br>Completion Date | Compliance Activity Description |
|---|---|
| **CA-044-01**<br>**Six (6) months after permit issuance** | A Plan of Operation (Operation and Maintenance Manual or O&M Manual) for the wastewater land application facilities, incorporating the requirements of this permit, shall be submitted to DEQ for review and comment. The O&M manual shall be designed for use as an operator guide for actual day-to-day operations to meet permit requirements and shall include daily sampling and monitoring requirements to insure proper operation of the wastewater treatment facility. The Plan of Operation shall contain at a minimum all of the information required by the latest revision of the Plan of Operation Checklist in the WLAP Program Guidance.<br><br>Upon approval, the manual shall be incorporated by reference into this permit and shall be enforceable as a part of this permit. |
| **CA-044-02**<br>**Six (6) months after permit issuance** | Submit a Nuisance Odor Management Plan to DEQ for review and approval. The Odor Management Plan shall include wastewater treatment systems, land application facilities, and other operations associated with the facility. The plan shall include specific design considerations, operation and maintenance procedures, and management practices to be employed to minimize the potential for or limit odors. The plan shall also include procedures to respond to an odor incident if one occurs, including notification procedures. |
| **CA-044-03**<br>**Six (6) months after permit issuance** | Submit a Waste Solids Management Plan to DEQ for review and approval. The Plan shall describe how waste solids generated at the facility will be handled and disposed of to meet the requirements of Section I, No. 5. |
| **CA-044-04**<br>**Six (6) months after permit issuance** | The permittee shall submit for DEQ's review a complete plan for installing a ground water monitoring network. In lieu of this plan, the permitte shall submit a detailed report, prepared by a qualified hydrogeologist, that shall demonstrate whether or not the land application practices at the site did cause any groundwater contamination. In case that groundwater has not been impacted by the facility activities and the likelihood of such impacts does not exist, then the groundwater monitoring plan and network may not be necessary. |

# F. Permit Limits and Conditions

| Category | Permit Limits and Conditions |
|---|---|
| Type of Wastewater | Potato wash water |
| Application Site Area | Total 5.5 acres |
| Application Season | Growing Season |
| Growing Season (GS) | October 31 of previous year through April 1 of current year (214 days) |
| Reporting Year for Annual Loading Rates | November 1 of previous year through October 31 of current year |
| Growing Season Maximum Hydraulic Loading Rate (Applies to wastewater and supplemental irrigation water). | Growing Season (GS) Hydraulic Loading Rate shall be no greater than the Irrigation Water Requirement (IWR) using data from the tables of the following University Of Idaho web site: http://www.kimberly.uidaho.edu/water/appndxet/index.shtml. IWR is equal to the Mean IR data from these tables divided by the irrigation system efficiency.<br><br>In lieu of these tables, current climatic and evaporation data, or 30-year average data may be used to calculate the IWR, as defined in the 1994 Technical Interpretive Supplement, pages IV-6 and IV-7. Assume no carryover soil moisture and a leaching rate of zero in calculating the IWR. Application shall generally follow consumptive use rates for the crop throughout the season. |
| Non-Growing Season Maximum Hydraulic Loading Rate | No irrigation allowed during the non-growing season. |
| Irrigation System | Convert the furrow irrigation system to sprinkler irrigation **or** redesign and manage the furrow irrigation system such that application rates match infiltration rates. All flood fields shall be irrigated such that every irrigation event achieves substantially even distribution of water as would be typically achieved under well managed flood irrigation practices. |
| No Runoff | Keegan, Inc. shall prepare and submit to DEQ for approval a runoff management plan with control structures and other BMPs (e.g. collection basins, berms, etc.) designed to prevent runoff from any site or fields used for wastewater land application to property not owned by Keegan, Inc. except in the event of a 25-year, 24-hour storm event or greater, using Western Regional Climate Center (WRCC) Precipitation Frequency Map, Figure 28 'Isopluvials of 25-YR, 24-HR Precipitation'. For this site, the 25-year, 24-hour event is 1.8 inches. Upon approval of the plan by DEQ, Keegan, Inc. shall implement the runoff management plan, and shall construct, operate, and maintain the control structures and other BMPs in accordance with the plan. |
| | |

# F. Permit Limits and Conditions

| Category | Permit Limits and Conditions |
|---|---|
| Livestock Grazing | A grazing management plan shall be submitted to DEQ for review and approval prior to any grazing activities. Grazing Plans shall follow the guidance located on the DEQ Internet site and the Guidance (see definition). |
| Ground Water Quality | Ground water quality shall be in compliance with the Ground Water Quality Rule (GWQR), IDAPA 58.01.11. |
| Maximum COD Loading, seasonal average in Pounds/acre-day, each HMU | 50 pounds / acre-day seasonal average for growing season (214 days). |
| Maximum Nitrogen Loading Rate, pounds/acre-year, each HMU (from all sources including waste solids and supplemental fertilizers) | 150% of typical crop uptake (see definition) or UI Fertility Guide. |
| Maximum Phosphorus Loading Rate, pounds/acre-year (from all sources including waste solids and supplemental fertilizers) | None.<br><br>DEQ reserves the right to re-open this permit for inclusion of P limits. |
| Annual Maximum Total Dissolved Inorganic Solids (TDIS) Loading Rate, each HMU | None.<br><br>DEQ reserves the right to re-open this permit for inclusion of TDIS limits. |
| Construction Plans | Prior to construction or modification of all wastewater facilities associated with the land application system or expansion, detailed plans and specifications shall be reviewed and approved by DEQ. Within 30 days of completion of construction, the permittee shall submit as-built plans for review and approval. |
| Buffer Zones | All buffer zones must comply with, at minimum, local zoning ordinances.<br>Buffer zone distances from land application areas shall be provided as follows (for industrial operations in suburban or residential area):<br>• Dwellings 300 feet or more<br>• Public Access Areas 50 feet or more |

# F. Permit Limits and Conditions

| Category | Permit Limits and Conditions |
|---|---|
| | • Natural Surface Waters 100 feet or more<br>• Man-made Surface Waters 50 feet or more<br><br>Buffer zone distances may be reduced to alternative distances by employing approved mitigation measures including:<br>1. Establishment of an effective physical barrier;<br>2. Runoff controls.<br><br>All mitigation measures to reduce buffer zone distances must be submitted to and approved by DEQ prior to use.<br><br>If necessary BMP's to prevent runoff from the site shall be used in the buffer zones around all areas where runoff may potentially occur. New BMP's shall be reviewed and approved by DEQ prior to installation. |
| Wellhead Protection | The following buffer zones shall be maintained for wellhead protection:<br>• 1000 feet or more shall be maintained between land application and public water supplies, unless a DEQ approved Well Location Acceptability Analysis indicates that an alternative buffer zone is acceptable.<br>• 500 feet or more shall be maintained between land application areas and domestic water supplies unless a DEQ approved alternative buffer zone is acceptable.<br>• 25 feet or more shall be maintained between land application areas and on-site monitoring and/or irrigation wells.<br><br>Berms and other BMPs shall be used to protect the well head of on-site wells. |
| Buffer Zones and Wellhead Protection | Notwithstanding any other provision of this permit, including without limitation the buffer zones set forth herein, the permittee shall comply with the following: 1) wastewater applied by the permittee shall be restricted to the premises of the land application site, and 2) the permittee shall not discharge wastewater to surface waters of the state, without first obtaining all permits and other authorizations required by state and federal law. |
| Supplemental Irrigation Water Protection | For systems with wastewater and fresh irrigation water interconnections, DEQ-approved backflow prevention devices are required. |
| Odor Management | The wastewater treatment plant, land application facilities, and other operations associated with the facility shall not create a public health hazard or nuisance conditions including odors. These facilities shall be managed in accordance with a DEQ approved Odor Management Plan. See also Compliance Activity CA-044-02. |
| Waste Solids including Tare, Dredgings and Sludges | All waste soilds including, but not limited to silt, tare, dredgings and sludges shall be utilized or disposed of in accordance with Paragraph |

# F. Permit Limits and Conditions

| Category | Permit Limits and Conditions |
|---|---|
| | 5, Section I of this permit, and in accordance with an approved Waste Solids Management Plan. See also Compliance Activity CA-044-03. |
| Fencing and Posting | Not required. |
| Allowable Crops | Crops grown for direct human consumption (those crops that are not processed prior to consumption) are not allowed. |

# G. Monitoring Requirements

The Permittee is allowed to apply wastewater and treat it on a land application site as prescribed in the table below and in accordance with all other applicable permit conditions and schedules.

1) Appropriate analytical methods, as given in the *Guidance for Land Application of Municipal and Industrial Wastewater - October 2004*, or as approved by the Idaho Department of Environmental Quality (hereinafter referred to as DEQ), shall be employed. A description of approved sample collection methods, appropriate analytical methods and companion QA/QC protocol shall be included in the Operation and Maintenance Manual.

2) The permittee shall monitor and measure parameters as stated in the Facility Monitoring Table in this section.

3) Samples shall be collected at times and locations that represent typical environmental and process parameters being monitored.

4) Unless otherwise agreed to in writing by the DEQ, data collected and submitted shall include, but not be limited to, the parameters and frequencies in the Facility Monitoring Table on the following pages. Monitoring is required at the frequency shown in the table below if wastewater is applied anytime during the time period shown.

5) Five (5) soil sample locations shall be selected for each management unit. Three (3) soil samples shall be collected at each sample location, one at 0-12 inches, one at 12-24 inches, and one at 24-36 inches. The soil samples collected at each depth shall be composited to yield three (3) samples for analysis from each management unit.

6) Annual reporting of monitoring requirements is described in Section H, Standard Reporting Requirements.

7) Monitoring locations are defined in Appendix 1, "Environmental Monitoring Serial Numbers".

## Facility Monitoring Table

| Frequency | Monitoring Point | Description/Type of Monitoring | Parameters |
|---|---|---|---|
| Daily (when land applying) | Flow meter | Flow of wastewater into land application system | Volume (million gallons and acre-inches) to each hydraulic management unit (HMU), record monthly |
| Monthly (when land applying) | Effluent to land application | Wastewater quality into land application system – grab sample | Chemical Oxygen Demand (COD), Total Kjeldahl Nitrogen (TKN), Ammonia-Nitrogen, Nitrite + Nitrate-Nitrogen, Total Phosphorous, Chloride (Cl), Electrical Conductivity (EC), Potassium (K), Total Suspended Solids (TSS), pH |
| | | | Total Dissolved Inorganic Solids |

# G. Monitoring Requirements

| Frequency | Monitoring Point | Description/Type of Monitoring | Parameters |
|---|---|---|---|
| Once per year for the first and third year of the permit (when land applying) | Effluent to land application | Wastewater quality into land application system – grab sample | (TDIS) - See Section C for definition of TDIS. Submit analysis of individual ions in addition to TDIS.<br><br>Total Dissolved Solids (TDS), and Volatile Dissolved Solids (VDS) |
| Monthly | Each HMU | Calculate IWR for each crop type | Volume (million gallons and acre-inches) to each HMU, record monthly and report annually |
| First and last year of the permit (April) | Each soil monitoring unit | See note 5 | Electrical Conductivity, Nitrate-Nitrogen, Ammonium Nitrogen, Plant Available Phosphorus, pH, % organic matter, potassium, SAR, DTPA Fe and Mn.<br>Notes:<br>Phosphorous – use Olsen method for soils with pH 6.5 or higher. Use Bray method if soil pH is <6.5 |
| Annually | Each HMU | Calculate growing season (GS) wastewater loading rate | Million gallons & Inches/GS |
| | Each HMU | Calculate seasonal COD loading rate for growing season (GS) | Pounds/acre-day |
| | Each HMU | Calculate wastewater nitrogen and phosphorous loading rate | Pounds/acre-year |
| | Each HMU | Calculate and report nitrogen and phosphorous application rates from fertilizer and all other sources | Type and lbs/acre-year |
| | Each HMU | Crop type and yield | Pounds/acre and total pounds per HMU (specify moisture basis) |

# G. Monitoring Requirements

| Frequency | Monitoring Point | Description/Type of Monitoring | Parameters |
|---|---|---|---|
| Annually | Each HMU | Crop Nutrient Uptake from Plant tissue analysis (composite sample of harvested portion) or from standard tables | Nitrogen, Phosphorus and ash uptake (dry basis), in pounds/ac-year |
| Annually | Each HMU | Calculate wastewater TDIS loading rate (when wastewater is sampled and analyzed for TDIS, the first and third year of the permit) | TDIS from wastewater applied in lbs/acre-year |
| | All flow measurement locations. | Flow measurement calibration of all flowmeters used to determine the wastewater volume sent to land application. | Document the flow measurement calibration of all flow meters and pumps used directly or indirectly measure all wastewater, tail water, flushing water, and supplemental irrigation water flows applied to each HMU. |
| | All supplemental irrigation pumps directly connected to the wastewater distribution system. | Backflow testing | Document the testing of all backflow prevention devices for all supplemental irrigation pumps directly connected to the wastewater distribution system(s). Report the testing date(s) and results of the test (pass or fail). If any test failed, report the date of repair or replacement of backflow prevention device, and if the repaired/replaced device is operating correctly. |

# H. Standard Reporting Requirements

1.) The Permittee shall submit an Annual Wastewater-Land Application Site Performance Report ("Annual Report") prepared by a competent environmental professional no later than January 31 of each year, which shall cover the previous reporting year. The Annual Report shall include an interpretive discussion of monitoring data (ground water, soils, hydraulic loading, wastewater etc.) with particular respect to environmental impacts by the facility.

2.) The annual report shall contain the results of the required monitoring as described in *Section G. Monitoring Requirements*. If the permittee monitors any parameter more frequently than required by this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the annual report.

3.) The annual report shall be submitted to the Engineering Manager in the applicable Regional DEQ Office.

Boise Regional Office
1445 N. Orchard
Boise, ID 83706-2239
208-373-550

Coeur d'Alene Regional Office
2110 Ironwood Parkway
Coeur d'Alene, ID 83814
208-769-1422

Idaho Falls Regional Office
900 N. Skyline, Suite B
Idaho Falls, ID 83402
208-528-2650

Lewiston Regional Office
1118 "F" Street
Lewiston, ID 83501
208-799-4370

Pocatello Regional Office
444 Hospital Way, #300
Pocatello, ID 83201
208-236-6160

Twin Falls Regional Office
601 Pole Line Road, Suite 2
Twin Falls, ID 83301
208-736-2190

A copy of the annual report shall also be mailed to:

Richard Huddleston, P.E.
Wastewater Program Manager
1410 N. Hilton
Boise, ID 83706
208-373-0561

4.) Notice of completion of any work described in *Section E. Compliance Schedule for Required Activities* shall be submitted to the Department within 30 days of activity completion. The status of all other work described in Section E shall be submitted with the Annual Report.

5.) All laboratory reports containing the sample results for monitoring required by *Section G. Monitoring Requirements* of this permit shall be submitted with the Annual Report.

# I. Standard Permit Conditions: Procedures and Reporting

1. The permittee shall at all times properly maintain and operate all structures, systems, and equipment for treatment, operational controls and monitoring, which are installed or used by the permittee to comply with all conditions of the permit or the Wastewater-Land Application Permit Regulations, in conformance with a DEQ approved, current Plan of Operations (Operations and Maintenance Manual) which describes in detail the operation, maintenance, and management of the wastewater treatment system. This Plan of Operations shall be updated as necessary to reflect current operations.

2. Wastewater(s) or recharge waters applied to the land surface must be restricted to the premises of the application site unless permission has been obtained from the DEQ authorizing a discharge into the waters of the State as stated in IDAPA 58.01.02.600.02.

3. Wastewater must not create a public health hazard or nuisance condition as stated in IDAPA 58.01.02.600.03. In order to prevent public health hazards and nuisance conditions the permittee shall:

   a. Apply wastewater as evenly as practicable to the treatment area;
   b. Prevent organic solids (contained in the wastewater) from accumulating on the ground surface to the point where the solids putrefy or support vectors or insects; and
   c. Prevent wastewater from ponding in the fields to the point where the ponded wastewater putrefies or supports vectors or insects.

4. The permittee shall:

   a. Manage the wastewater land application treatment site as an agronomic operation where vegetative cover is grown and harvested or grazed to utilize the nutrients and minerals in the wastewater, and,
   b. Not hydraulically overload any particular areas of the wastewater land application treatment site.

5. All waste solids, including dredgings and sludges, shall be utilized or disposed in a manner which will prevent their entry, or the entry of contaminated drainage or leachate therefrom, into the waters of the state such that health hazards and nuisance conditions are not created; and to prevent impacts on designated beneficial uses of the ground water and surface water. The permittee's management of waste solids shall be governed by the terms of the DEQ approved Waste Solids Management Plan, which upon approval shall be an enforceable portion of this permit.

6. If the permittee intends to continue operation of the permitted facility after the expiration of an existing permit, the permittee shall apply for a new permit at least six months prior to the expiration date of the existing permit in accordance with the Waste Water Land Application Permit Regulations and include seepage tests on all lagoons per latest DEQ procedures.

7. The permittee shall allow the Director of the Idaho Department of Environmental Quality or the Director's designee (hereinafter referred to as Director), consistent with Title 39, Chapter 1, Idaho Code, to:

   a. Enter the permitted facility,
   b. Inspect any records that must be kept under the conditions of the permit.
   c. Inspect any facility, equipment, practice, or operation permitted or required by the permit.
   d. Sample or monitor for the purpose of assuring permit compliance, any substance or any parameter at the facility.

8. The permittee shall report to the Director under the circumstances and in the manner specified in this section:

   a. In writing thirty (30) days before any planned physical alteration or addition to the permitted facility or activity if that alteration or addition would result in any significant change in information that was submitted during the permit application process.
   b. In writing thirty (30) days before any anticipated change which would result in non-compliance with any permit condition or these regulations.
   c. Orally within twenty-four (24) hours from the time the permittee became aware of any non-compliance which may endanger the public health or the environment at telephone numbers provided in the permit by the Director (see below)

DEQ Regional Office: see Permit Certificate Page
Emergency 24 Hour Number: 1-800-632-8000

d. In writing as soon as possible but within five (5) days of the date the permittee knows or should know of any non-compliance unless extended by the DEQ. This report shall contain:

   i. A description of the non-compliance and its cause;
   ii. The period of non-compliance including to the extent possible, times and dates and, if the non-compliance has not been corrected, the anticipated time it is expected to continue; and
   iii. Steps taken or planned to reduce or eliminate reoccurrence of the non-compliance.

e. In writing as soon as possible after the permittee becomes aware of relevant facts not submitted or incorrect information submitted, in a permit application or any report to the Director. Those facts or the correct information shall be included as a part of this report.

9. The permittee shall take all necessary actions to prevent or eliminate any adverse impact on the public health or the environment resulting from permit noncompliance.

10. The permittee shall determine (on an on-going basis) if any noxious weed problems relate to the permitted sites. If problems are present, coordinate with the Idaho Department of Agriculture or the local County authority regarding their requirements for noxious weed control. Also address these control operations in an update to the Operations and Maintenance Manual.

# J. Standard Permit Conditions: Modifications, Violation, and Revocation

1. The permittee shall furnish to the Director within reasonable time, any information including copies of records, which may be requested by the Director to determine whether cause exists for modifying, revoking, re-issuing, or terminating the permit, or to determine compliance with the permit or these regulations.

2. Both minor and major modifications may be made to this permit as stated in IDAPA 58.01.17.700.01 and 02 with respect to any conditions stated in this permit upon review and approval of the DEQ.

3. Whenever a facility expansion, production increase or process modification is anticipated which will result in a change in the character of pollutants to be discharged or which will result in a new or increased discharge that will exceed the conditions of this permit, or if it is determined by the DEQ that the terms or conditions of the permit must be modified in order to adequately protect the public health or environment, a request for either major or minor modifications must be submitted together with the reports as described in Section I. *Standard Reporting Requirements*, and plans and specifications for the proposed changes. No such facility expansion, production increase or process modification shall be made until plans have been reviewed and approved by the DEQ and a new permit or permit modification has been issued.

4. Permits shall be transferable to a new owner or operator provided that the permittee notifies the Director by requesting a minor modification of the permit before the date of transfer.

5. Any person violating any provision of the Wastewater Land Application Permit Regulations, or any permit or order issued thereunder shall be liable for a civil penalty not to exceed ten thousand dollars ($10,000) or one thousand dollars ($1,000) for each day of a continuing violation, whichever is greater. In addition, pursuant to Title 39, Chapter 1, Idaho Code, any willful or negligent violation may constitute a misdemeanor.

6. The Director may revoke a permit if the permittee violates any permit condition or the Wastewater Land Application Permit Regulations.

7. Except in cases of emergency, the Director shall issue a written notice of intent to revoke to the permittee prior to final revocation. Revocation shall become final within thirty-five (35) days of receipt of the notice by the permittee, unless within that time the permittee request an administrative hearing in writing to the Board of Environmental Quality pursuant to the Rules of Administrative Procedures contained in IDAPA 58.01.23.

8. If, pursuant to Idaho Code 67-5247, the Director finds the public health, safety or welfare requires emergency action, the Director shall incorporate findings in support of such action in a written notice of emergency revocation issued to the permittee. Emergency revocation shall be effective upon receipt by the permittee. Thereafter, if requested by the permittee in writing, a revocation hearing before the Board of Environmental Quality shall be provided. Such hearings shall be conducted in accordance with the Rules of Administrative Procedures contained in IDAPA 58.01.23.

9. The provisions of this permit are severable and if a provision or its application is declared invalid or unenforceable for any reason, that declaration will not affect the validity or enforceability of the remaining provisions.

10. The permittee shall notify the DEQ at least six (6) months prior to permanently removing any permitted land application facility from service, including any treatment, storage, or other facilities or equipment associated with the land application site. Prior to commencing closure activities, the permittee shall: a) participate in a pre-site closure meeting with the DEQ; b) develop a site closure plan that identifies specific closure, site characterization, or cleanup tasks with scheduled task completion dates in accordance with agreements made at the pre-site closure meeting; and c) submit the completed site closure plan to the DEQ for review and approval within forty-five (45) days of the pre-site closure meeting. The permittee must complete the DEQ approved site closure plan.

# Appendix 1
# Environmental Monitoring Serial Numbers

## HYDRAULIC MANAGEMENT UNITS

| Serial Number | Description | Acres |
|---|---|---|
| MU-004401 | East and West Fields | 5.5 |

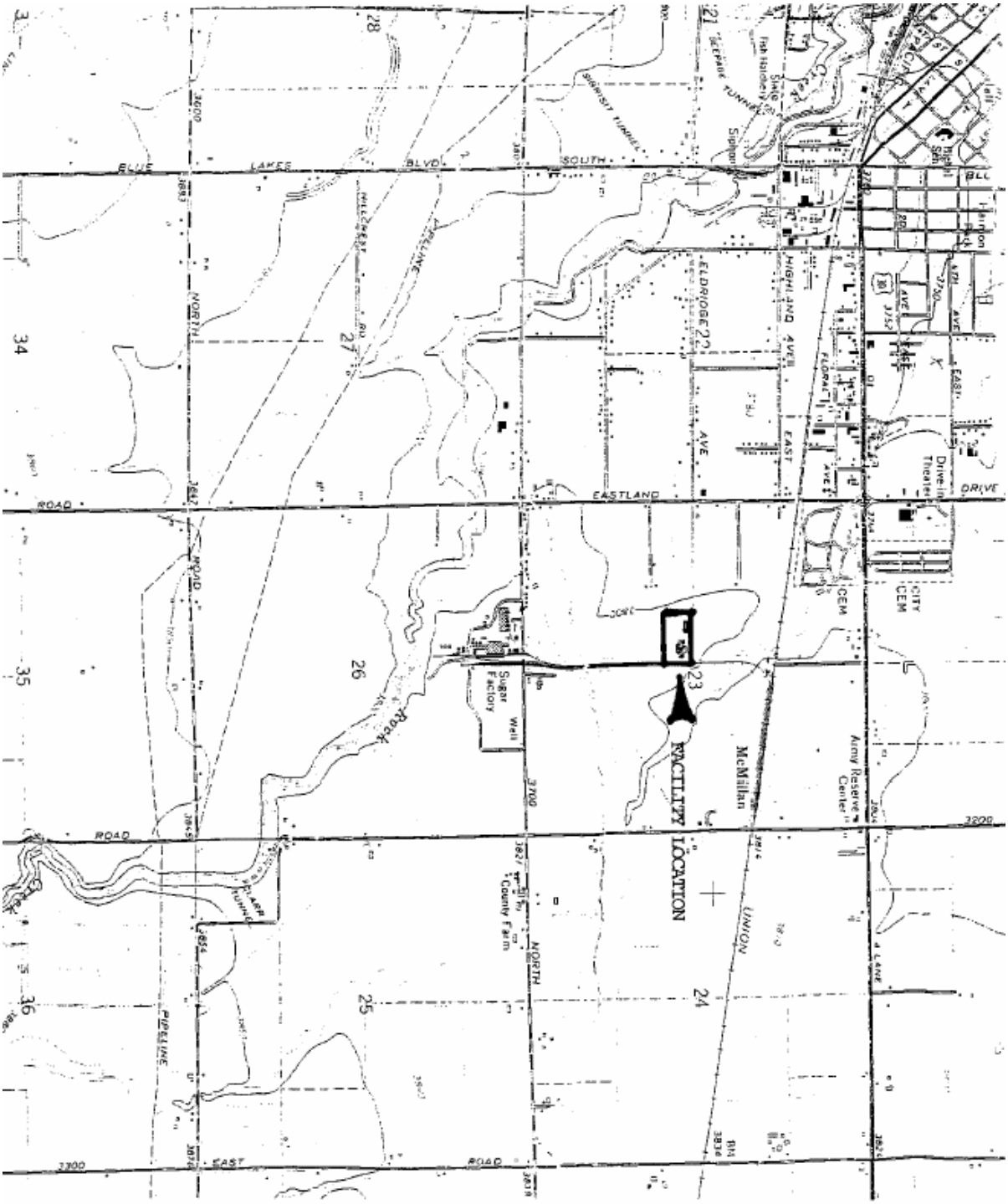
## WASTEWATER SAMPLING POINTS

| Serial Number | Description |
|---|---|
| WW-004401 | Wastewater effluent to fields |

## SOIL MONITORING UNITS

| Serial Number | Description | Associated MU |
|---|---|---|
| SU-004401 | East and West Fields | MU-004401 |

Appendix 2
Site Maps




SITE LOCATION MAP

FIGURE 1

Appendix 2
Site Maps

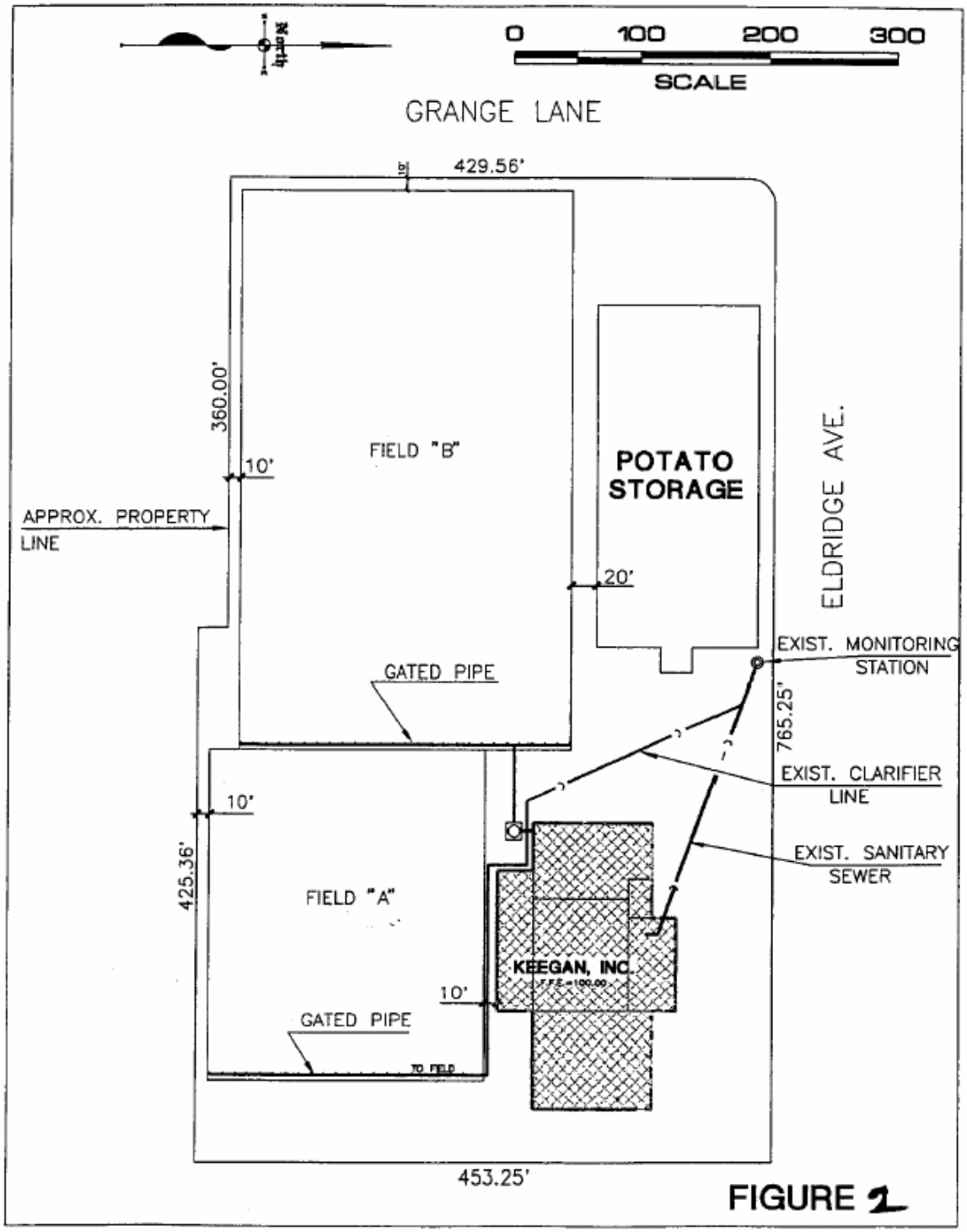



FIGURE 1

Appendix 2
Site Maps